

FIG I (STOMACH)  
EMPTY

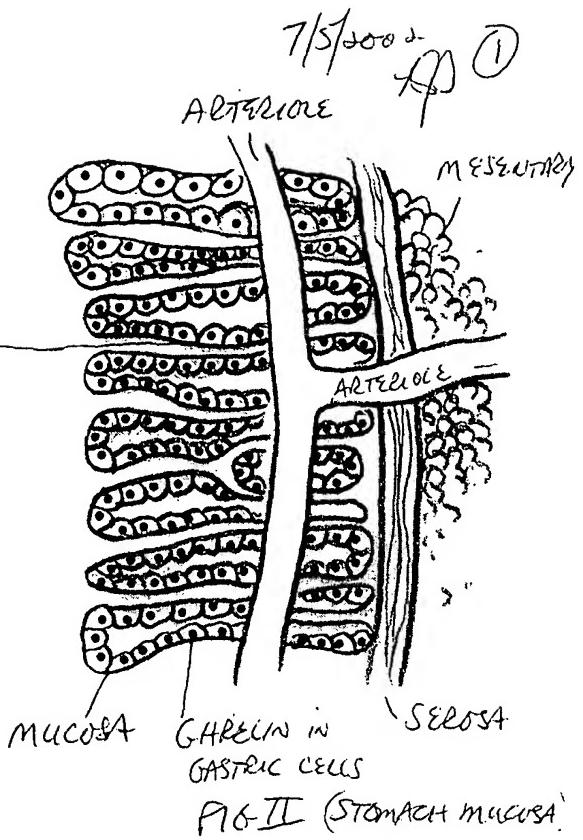


FIG II (STOMACH MUCOSA)

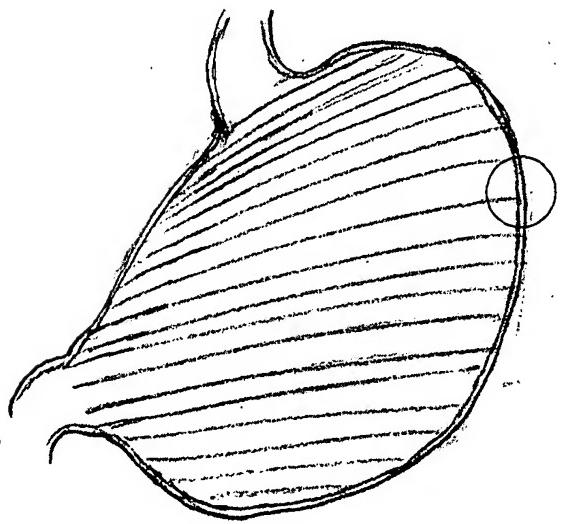


FIG III STOMACH  
FULL

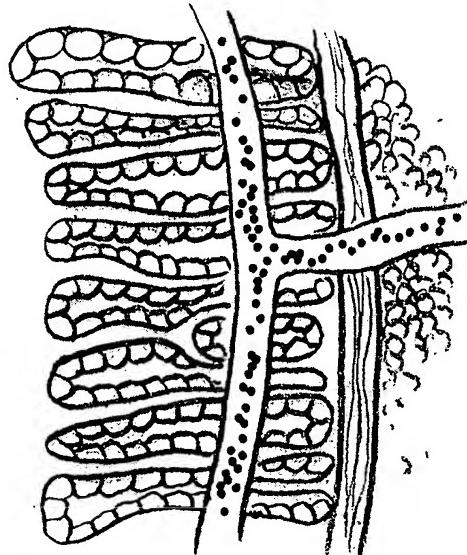


FIG IV  
GHRELIN RELEASED FROM  
GASTRIC CELLS INTO BLOOD

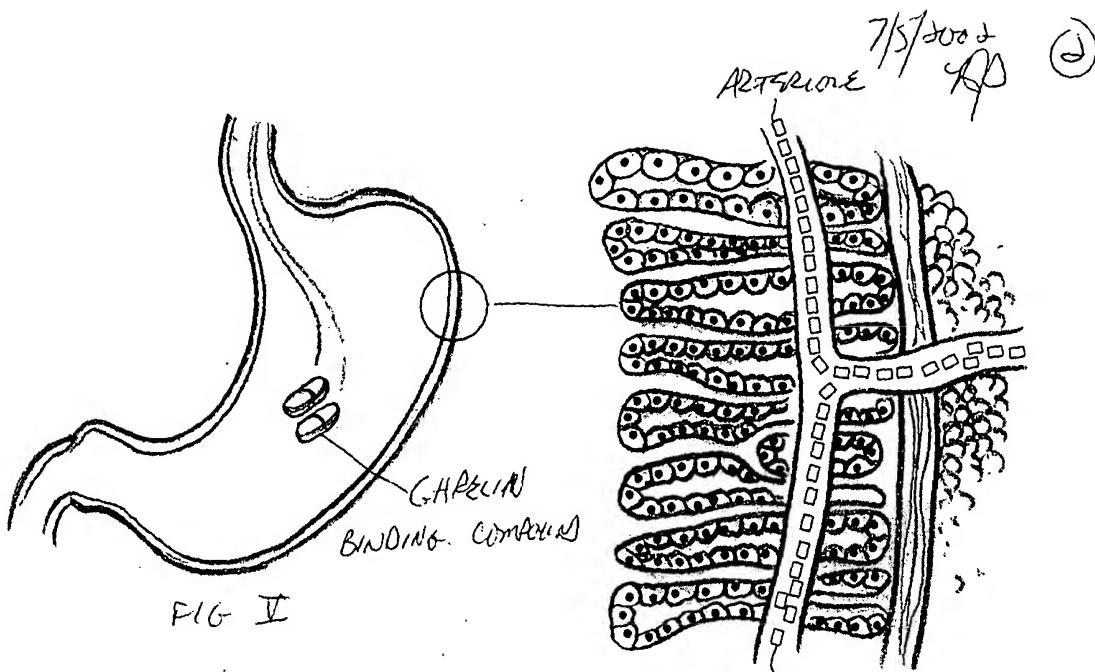
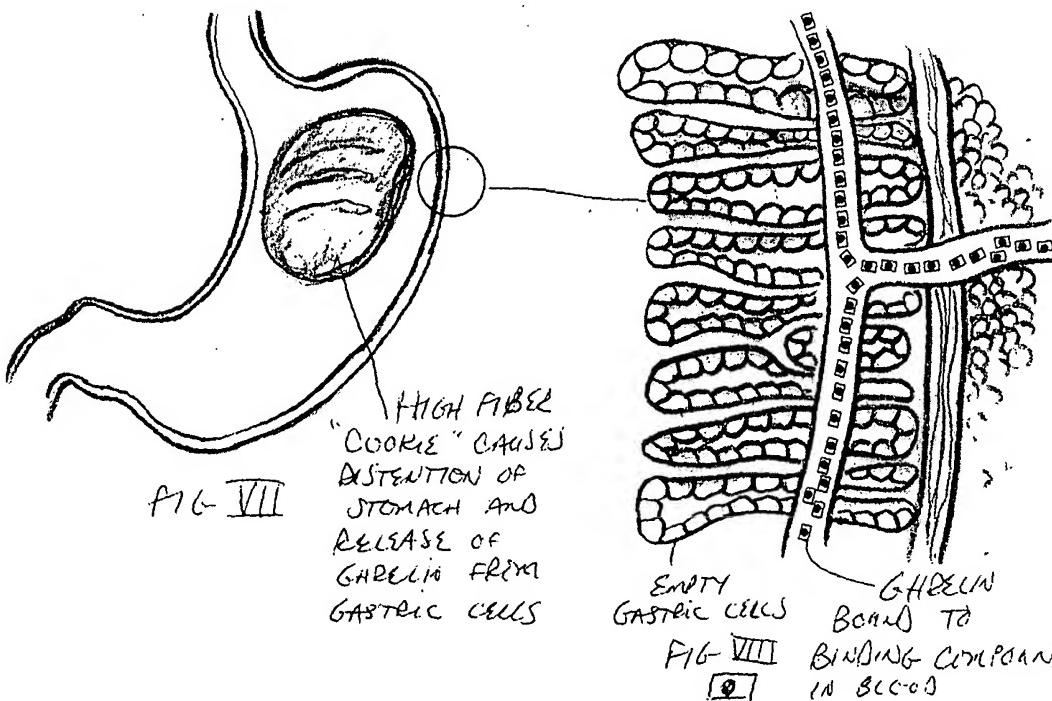
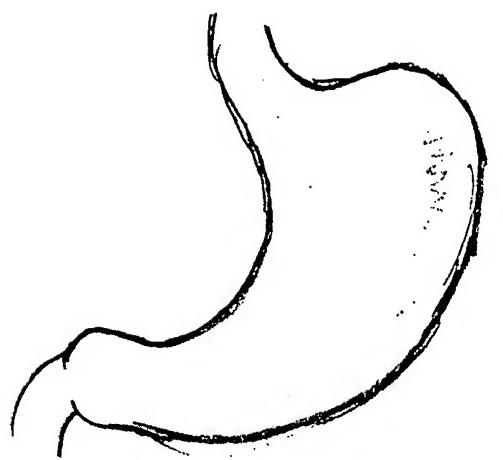


FIG VI

GHRKIN BINDING COMPOUND  
ABSORBED BY MUCOSA AND IN  
BLOOD □

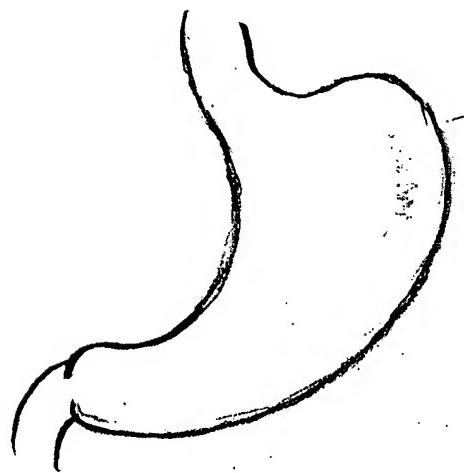


7/5/2002  
TP  
(3)



STOMACH  
BEFORE LONG TERM  
APPETITE SUPPRESSANT  
USE

FIG 9



STOMACH  
AFTER SEVERAL  
MONTHS OF APPETITE  
SUPPRESSANT USE

FIG 10

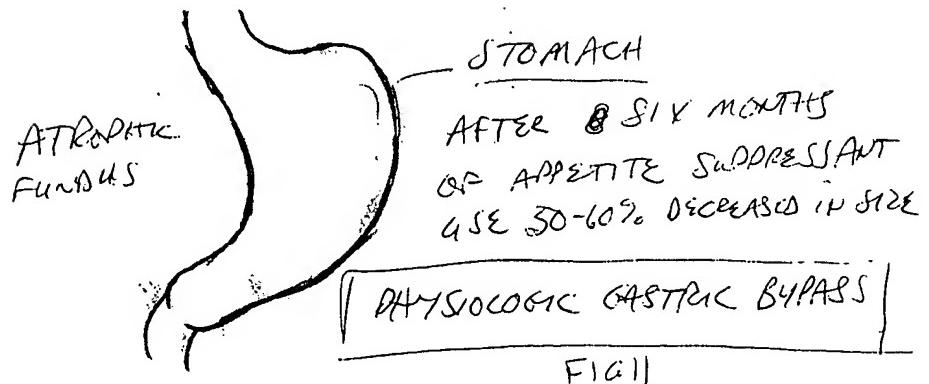
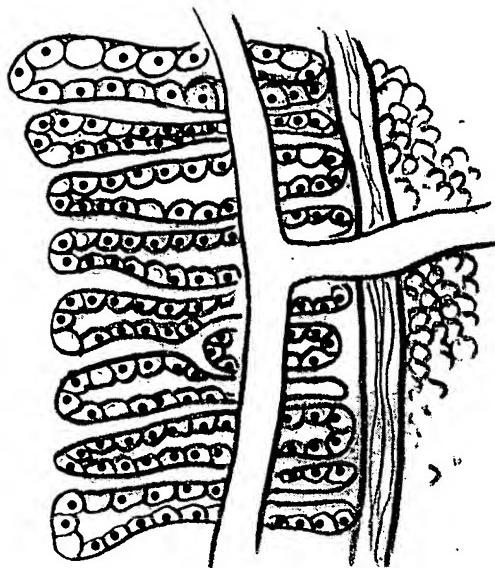


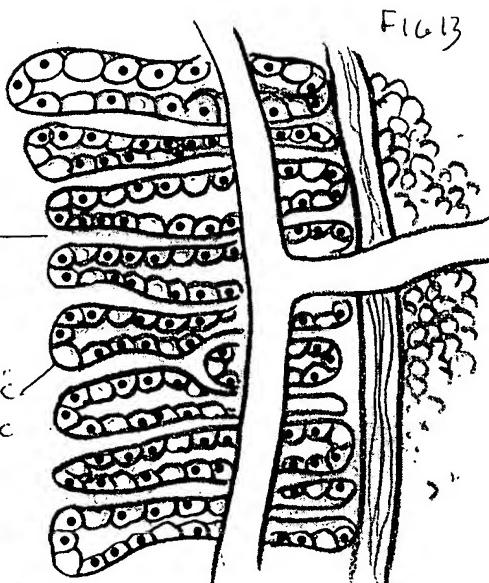
FIG 11

7/5/2002  
AP (4)



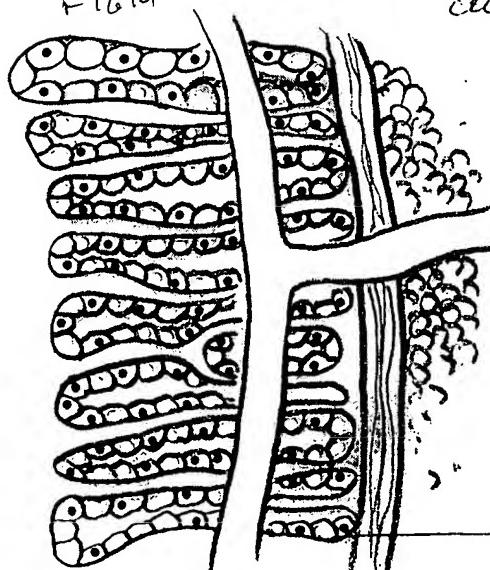
STOMACH MUCOSA  
BEFORE LONG TERM  
APPETITE SUPPRESSANT USE  
GRELIN CELLS 95% OF  
GRELIN GASTRIC CELLS

FIG 12



STOMACH MUCOSA  
AFTER THREE MONTHS  
USE GRELIN CELLS  
80% OF GRELIN GASTRIC  
CELLS

FIG 14



STOMACH MUCOSA  
AFTER SIX MONTHS  
GRELIN CELLS ONLY  
50-60% OF GRELIN  
GASTRIC CELLS

PARSIOLOGIC GASTRIC BYPASS

ATROPHIC GRELIN GASTRIC CELL

7/5/2000  
AF  
⑮

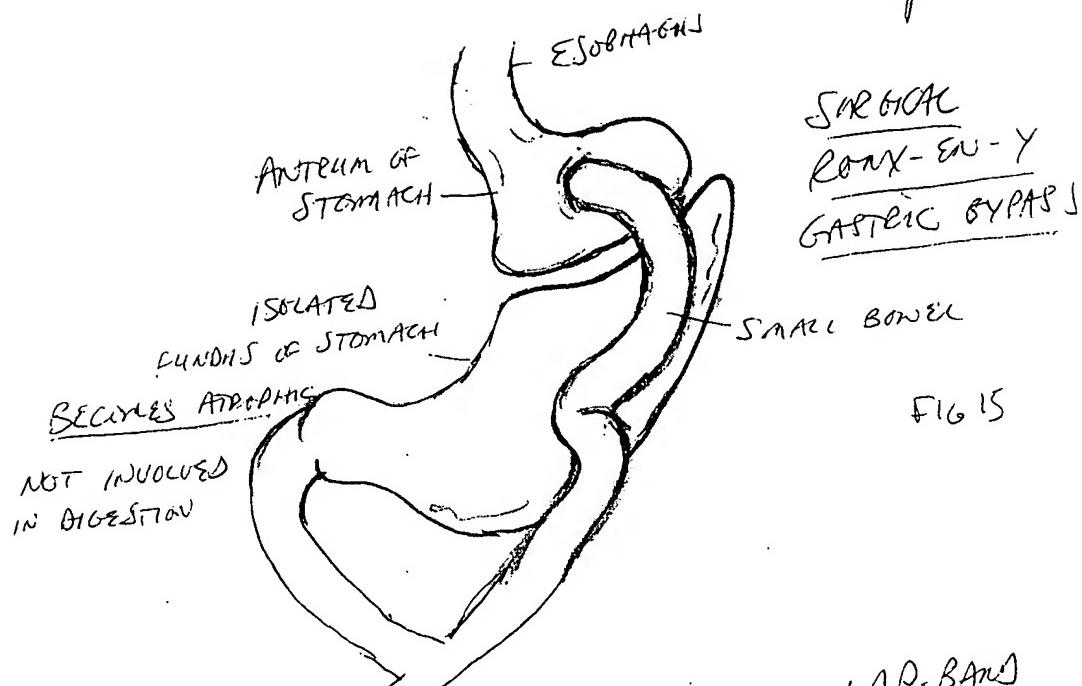


FIG 15

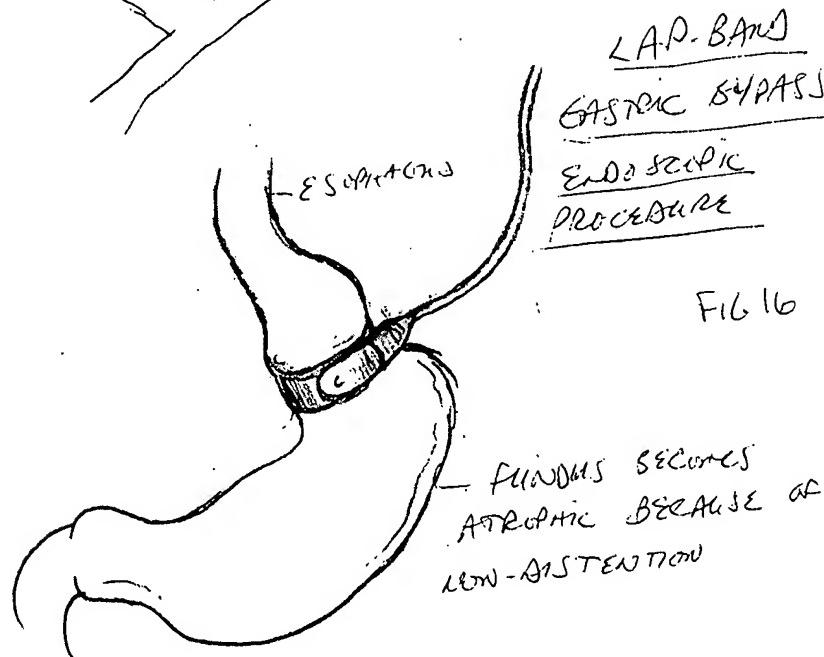


FIG 16